AMENDMENTS TO THE SPECIFICATION

Please amend the Title to read:

"Branch Instruction Conversion to Multi-threaded Parallel Instructions"

Please substitute the clean duplicate copy of the specification submitted herewith for the specification originally filed.

After entry of the clean duplicate copy, please amend the paragraph beginning on page 26, line 1 as follows:

If the two minimum values have a difference equal to or greater than the fixed value, then at step 36 the branching direction of the branch which exhibits a higher minimum value of the distance of data dependence is determined as the fork destination and the conditional branch spot is selected as the fork spot. The reason is that the possibility that, where the branching direction selected here is forked as the new thread, the possibility that the processing may be stopped by data dependence immediately next to the fork is lower than that where the other is forked.